

**MINOR CHANGE APPLICATION**  
**CENTRAL FLORIDA EDUCATIONAL FOUNDATION, INC.**  
**W241BL FM TRANSLATOR STATION**  
**CH 239D - 95.7 MHZ - 0.005 KW (V)**  
**MOUNT DORA, FLORIDA**  
**November 2011**

**EXHIBIT B**

As indicated on Exhibit B1, the proposed operation of W241BL on Channel 239 with an effective radiated power of 0.005 kilowatt at 73.4 meters (240.8 feet) above ground level will not cause interference to any existing, applied for, or proposed facility. The proposed W241BL on Channel 239D is inside the predicted 60 dBu contour of second adjacent station WPYO, Channel 237C3, Maitland, Florida. Due to the relationship between W241BL on Channel 239D and WPYO, a 40 db ratio of the protected and interfering contours applies.

We have therefore calculated the level of signal of WPYO at the proposed W241BL site. A map showing the WPYO contour at the W241BL site is attached as Exhibit B2. The WPYO contour at the W241BL site is 66.28 dBu (50/50) and the corresponding interfering contour for W241BL is 106.28 dBu (50/10). At its greatest distance, the interfering contour (106.28 dBu) of W241BL extends 0.08 kilometer (262.5 feet) in the direction of the main lobe of the directional antenna. While the interfering contour reaches ground, it falls in an unpopulated area without any regularly used roads. Exhibit B3 is a Google Earth map that indicates that the area encompassed by the W241BL interfering contour is devoid of occupied buildings and does not cover any roads.

Based on the foregoing, it is believed that the proposed W241BL on Channel 239D is in compliance with §74.1204(d) of the Commission's rules. If a waiver of the rule is needed to address WPYO, one is respectfully requested, based on the absence of any population affected in the interference area.

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**EXHIBIT B1**

Interference Review for W241BL, Mount Dora, Florida on Channel 239D  
Using Proposed/Licensed Site as Reference

REFERENCE		CH# 239D - 95.7 MHZ, Pwr= 0.005 kW DA, HAAT= 0.0 M, COR= 119 M							DISPLAY DATES		
28 46 19.0 N.		Average Protected F(50-50)= 2.7 km							DATA	11-03-11	
81 37 35.0 W.		Standard Directional							SEARCH	11-03-11	
CH CITY	CALL	TYPE STATE	ANT	AZI. <--	DIST FILE #	LAT. LNG.	Pwr (kW) HAAT (M)	INT (km) COR (M)	PRO (km) LICENSEE	*IN* (Overlap in km)	*OUT*
241D Mount Dora	W241BL	LIC FL	DV	0.0 0.0	0.0 BLFT20111019AJE	28 46 19.0 81 37 35.0	0.115	0.1 119	3.8 Central Florida Educational	-1.8*	-3.8*
237C3 Maitland	WPYO	LIC FL	ZCX	144.0 324.1	27.1 BLH20040325AHN	28 34 27.0 81 27 46.0	12.000 144	3.8 173	37.9 Cox Radio, Inc.	21.8	-10.8*<
239C3 Ormond-by-the-sea	WHOG-FM	LIC FL	CX	46.1 226.3	74.6 BMLH20040702AEK	29 14 11.0 81 04 22.0	25.000 100	112.8 103	38.3 Black Crow Radio, Llc, Deb	-40.2*<	29.7
239C1 Clearwater	WBTP	LIC FL	CX	224.4 43.9	140.1 BMLH20041215ACC	27 52 00.0 82 37 27.0	100.000 185	160.1 186	62.4 Clear Channel Broadcasting	-21.9*<	71.0
240D Orlando	W240BV	LIC FL	C	132.3 312.4	27.5 BLFT20110914ACT	28 36 20.2 81 25 05.0	0.099	17.2 165	11.7 Central Florida Educational	8.6	13.3
238A Silver Springs	WNDD	LIC FL	CN	324.3 144.1	69.8 BLH19950501KA	29 16 55.0 82 02 50.0	6.000 100	44.1 118	28.5 Ocala Broadcasting Corpora	21.8	35.6
239L1 Christmas	WLPM-LP	LIC FL		118.2 298.4	54.9 BLL20061121AFH	28 32 17.0 81 07 53.0	0.100 28	18.6 45	5.7 Orange Blossom Community M	34.4	43.0
240L1 Summerfield	WJRN-LP	LIC FL		299.0 118.7	55.5 BLL20040825ACC	29 00 45.0 82 07 31.0	0.100 17	8.0 40	5.6 Hispanic-multicultural Bro	42.7	43.1
241A Dade City	WTMP-FM	LIC FL	CX	243.2 62.9	73.4 BLH20080109AFU	28 28 22.0 82 17 45.0	2.800 147	2.6 180	28.9 Scott Savage, Receiver	67.6	44.4
241D Kissimmee	1127837	APP FL	C	162.4 342.4	53.6 BNPFT20030828AOI	28 18 40.0 81 27 36.0	0.080 43	0.6 63	5.7 Bible Broadcasting Network	51.3	47.9
238D Kissimmee	651845	APP FL	C	163.2 343.3	59.1 BNPFT20030317MKM	28 15 43.0 81 27 06.0	0.055 53	8.8 72	6.1 Bible Broadcasting Network	48.6	50.4
240D Auburndale	W254AI	APP FL	C	194.1 14.0	78.5 BPFT20110817ABR	28 05 07.0 81 49 17.0	0.250	13.8 99	9.9 Radio Training Network, In	62.7	65.7

Terrain database is NGDC 30 SEC, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM  
Contour distances are on direct line to and from reference station. Reference Zone= East Zone, Co to 3rd  
Adjacent.

Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, \_= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)  
\*\*\*affixed to 'IN' or 'OUT' values = site inside protected contour.

< = Contour Overlap

**Graham Brock, Inc. - Broadcast Technical Consultants**

**W241BL**

Latitude: 28-46-19 N  
Longitude: 081-37-35 W  
ERP: 0.005 kW  
Channel: 239D  
Frequency: 95.7 MHz  
AMSL Height: 119.7 m  
Horiz. Pattern: Directional  
Prop Model : FCC

**WPYO**

BLH-20040325AHN  
Latitude: 28-34-27 N  
Longitude: 081-27-46 W  
ERP: 12.00 kW  
Channel: 237C3  
Frequency: 95.3 MHz  
AMSL Height: 173.0 m  
Horiz. Pattern: Directional  
Prop Model : FCC

W241BL 106.28 (50/10)

W241BL

WPYO 66.28 dBu (50/50)

**EXHIBIT B2**

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Scale 1:25,000

0 0.4 0.8 1.2 km

Hackamore  
Harper Val  
Martingale



EXHIBIT #B3  
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**EXHIBIT B4**

Predicted contours:

North Latitude = 28 46 19.0 - Tabulated Protected and Interfering Contour Date  
West Longitude = 81 37 35.0 - W241BL FM Translator Station, Mount Dora, Florida

HAAT and Distance to Contour - NGDC 30 Second Terrain Database									
Azi.	HAAT	ERP kW	dBk	Field	60-F5	40-F1	54-F1	100-F1	106.25-F1
000	83.2	0.0001	-39.09	0.157	1.64	5.59	2.42	0.02	0.01
010	82.1	0.0001	-38.66	0.165	1.68	5.69	2.46	0.03	0.01
020	86.7	0.0002	-38.00	0.178	1.80	6.07	2.62	0.03	0.01
030	92.3	0.0002	-36.99	0.200	1.96	6.64	2.86	0.03	0.02
040	95.0	0.0002	-36.99	0.200	1.98	6.74	2.90	0.03	0.02
050	99.2	0.0002	-38.05	0.177	1.87	6.49	2.77	0.03	0.01
060	100.5	0.0001	-40.21	0.138	1.59	5.80	2.43	0.02	0.01
070	97.7	0.0001	-41.80	0.115	1.61	5.21	2.17	0.02	0.01
080	100.5	0.0001	-40.73	0.130	1.52	5.62	2.35	0.02	0.01
090	96.5	0.0001	-38.93	0.160	1.74	6.10	2.59	0.03	0.01
100	93.4	0.0002	-38.05	0.177	1.83	6.30	2.70	0.03	0.01
110	93.9	0.0002	-37.21	0.195	1.95	6.62	2.85	0.03	0.01
120	90.6	0.0002	-38.05	0.177	1.82	6.20	2.66	0.03	0.01
130	87.8	0.0001	-38.93	0.160	1.69	5.81	2.49	0.03	0.01
140	92.0	0.0001	-40.73	0.130	1.61	5.37	2.28	0.02	0.01
150	93.2	0.0001	-41.80	0.115	1.61	5.08	2.14	0.02	0.01
160	98.8	0.0001	-40.21	0.138	1.58	5.75	2.41	0.02	0.01
170	99.6	0.0002	-38.05	0.177	1.87	6.51	2.78	0.03	0.01
180	100.0	0.0002	-36.99	0.200	2.02	6.91	2.96	0.03	0.02
190	100.2	0.0002	-36.99	0.200	2.02	6.92	2.96	0.03	0.02
200	99.9	0.0002	-38.00	0.178	1.88	6.54	2.79	0.03	0.01
210	99.3	0.0001	-38.66	0.165	1.79	6.29	2.67	0.03	0.01
220	98.5	0.0001	-39.09	0.157	1.73	6.11	2.58	0.02	0.01
230	97.5	0.0003	-35.59	0.235	2.20	7.37	3.21	0.04	0.02
240	96.2	0.0008	-30.82	0.407	2.94	9.67	4.29	0.06	0.03
250	96.5	0.0018	-27.48	0.598	3.65	11.66	5.27	0.09	0.05
260	96.5	0.0030	-25.25	0.773	4.19	13.20	5.99	0.12	0.06
270	100.0	0.0040	-23.94	0.898	4.62	14.49	6.56	0.14	0.07
280	100.5	0.0046	-23.36	0.960	4.80	15.24	6.79	0.15	0.07
290	100.5	0.0050	-23.01	1.000	4.91	15.65	6.92	0.16	0.08
300	99.4	0.0046	-23.36	0.960	4.78	15.12	6.76	0.15	0.07
310	98.7	0.0040	-23.94	0.898	4.59	14.39	6.52	0.14	0.07
320	97.9	0.0030	-25.25	0.773	4.22	13.30	6.04	0.12	0.06
330	96.3	0.0018	-27.48	0.598	3.64	11.65	5.27	0.09	0.05
340	86.4	0.0008	-30.82	0.407	2.81	9.16	4.06	0.06	0.03
350	85.0	0.0003	-35.59	0.235	2.09	6.87	2.99	0.04	0.02

AMSL= 119.0 M